RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/811,192 A

Source: FW6

Date Processed by STIC: 11/27/06

ENTERED

RAW SEQUENCE LISTING   DATE: 11/27/2006
PATENT APPLICATION: US/10/811,192A   TIME: 14:43:11

Input Set : A:\SEQ LISTING.txt
Output Set: N:\CRF4\11272006\J811192A.raw

```
 3 <110> APPLICANT: Communi, Didier
 4         Boeynaems, Jean-Marie
 5         Pirotton, Sabine
 6         Parmentier, Marc
 8 <120> TITLE OF INVENTION: P2Y4 RECEPTOR TRANSGENIC AND KNOCKOUT NON-HUMAN MAMMALS
10 <130> FILE REFERENCE: 9409/2113C
12 <140> CURRENT APPLICATION NUMBER: 10/811,192A
13 <141> CURRENT FILING DATE: 2004-03-26
15 <150> PRIOR APPLICATION NUMBER: 10/753,695
16 <151> PRIOR FILING DATE: 2004-01-08
18 <150> PRIOR APPLICATION NUMBER: 09/077,173
19 <151> PRIOR FILING DATE: 1998-11-12
21 <150> PRIOR APPLICATION NUMBER: PCT/BE96/00123
22 <151> PRIOR FILING DATE: 1996-11-21
24 <150> PRIOR APPLICATION NUMBER: EP 95870124.5
25 <151> PRIOR FILING DATE: 1995-11-21
27 <160> NUMBER OF SEQ ID NOS: 4
29 <170> SOFTWARE: PatentIn version 3.1
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 1429
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 1
37 aagggagctt gggtaggggc caggctagcc tgagtgcacc cagatgcgct tctgtcagct    60
39 ctccctagtg cttcaaccac tgctctccct gctctacttt ttttgctcca gctcagggat   120
41 ggggggtgggc agggaaatcc tgccaccctc acttctcccc ttcccatctc caggggggcc   180
43 atggccagta cagagtcctc cctgttgaga tccctaggcc tcagcccagg tcctggcagc   240
45 agtgaggtgg agctggactg ttggtttgat gaggatttca agttcatcct gctgcctgtg   300
47 agctatgcag ttgtctttgt gctgggcttg ggccttaacg ccccaacccct atggctcttc   360
49 atcttccgcc tccgaccctg ggatgcaacg gccacctaca tgttccacct ggcattgtca   420
51 gacaccttgt atgtgctgtc gctgcccacc ctcatctact attatgcagc ccacaaccac   480
53 tggcccttttg gcactgagat ctgcaagttc gtccgctttc ttttctattg gaacctctac   540
55 tgcagtgtcc ttttcctcac ctgcatcagc gtgcaccgct acctgggcat ctgccaccca   600
57 cttcgggcac tacgctgggg ccgccctcgc ctcgcaggcc ttctctgcct ggcagtttgg   660
59 ttggtcgtag ccggctgcct cgtgcccaac ctgttctttg tcacaaccag caacaaaggg   720
61 accaccgtcc tgtgccatga caccactcgg cctgaagagt ttgaccacta tgtgcacttc   780
63 agctcggcgg tcatggggct gctctttggc gtgccctgcc tggtcactct tgtttgctat   840
65 ggactcatgg ctcgtcgcct gtatcagccc ttgccaggct ctgcacagtc gtcttctcgc   900
67 ctccgctctc tccgcaccat agctgtggtg ctgactgtct ttgctgtctg cttcgtgcct   960
69 ttccacatca cccgcaccat ttactacctg gccaggctgt ggaagctga ctgccgagta  1020
71 ctgaacattg tcaacgtggt ctataaagtg actcggcccc tggccagtgc caacagctgc  1080
73 ctggatcctg tgctctactt gctcactggg gacaaatatc gacgtcagct ccgtcagctc  1140
75 tgtggtggtg gcaagcccca gccccgcacg gctgcctctt ccctggcact agtgtccctg  1200
```

RAW SEQUENCE LISTING   DATE: 11/27/2006
PATENT APPLICATION: US/10/811,192A   TIME: 14:43:12

Input Set : A:\SEQ LISTING.txt
Output Set: N:\CRF4\11272006\J811192A.raw

```
77 cctgaggata gcagctgcag gtgggcggcc acccccagg acagtagctg ctctactcct    1260
79 agggcagata gattgtaaca cgggaagccg gcaagtgaga gaaaaggga tgagtgcagg    1320
81 gcagaggtga gggaacccaa tagtgatacc tggtaaggtg cttcttcctc ttttccaggc    1380
83 tctggagaga agccctcacc ctgagggttg ccacggaggc agggatatc                1429
86 <210> SEQ ID NO: 2
87 <211> LENGTH: 365
88 <212> TYPE: PRT
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 2
93 Met Ala Ser Thr Glu Ser Ser Leu Leu Arg Ser Leu Gly Leu Ser Pro
94 1               5                   10                  15
97 Gly Pro Gly Ser Ser Glu Val Glu Leu Asp Cys Trp Phe Asp Glu Asp
98           20                  25                  30
101 Phe Lys Phe Ile Leu Leu Pro Val Ser Tyr Ala Val Val Phe Val Leu
102          35                  40                  45
105 Gly Leu Gly Leu Asn Ala Pro Thr Leu Trp Leu Phe Ile Phe Arg Leu
106      50                  55                  60
109 Arg Pro Trp Asp Ala Thr Ala Thr Tyr Met Phe His Leu Ala Leu Ser
110 65               70                  75                  80
113 Asp Thr Leu Tyr Val Leu Ser Leu Pro Thr Leu Ile Tyr Tyr Tyr Ala
114              85                  90                  95
117 Ala His Asn His Trp Pro Phe Gly Thr Glu Ile Cys Lys Phe Val Arg
118          100                 105                 110
121 Phe Leu Phe Tyr Trp Asn Leu Tyr Cys Ser Val Leu Phe Leu Thr Cys
122          115                 120                 125
125 Ile Ser Val His Arg Tyr Leu Gly Ile Cys His Pro Leu Arg Ala Leu
126      130                 135                 140
129 Arg Trp Gly Arg Pro Arg Leu Ala Gly Leu Leu Cys Leu Ala Val Trp
130 145              150                 155                 160
133 Leu Val Val Ala Gly Cys Leu Val Pro Asn Leu Phe Phe Val Thr Thr
134              165                 170                 175
137 Ser Asn Lys Gly Thr Thr Val Leu Cys His Asp Thr Thr Arg Pro Glu
138          180                 185                 190
141 Glu Phe Asp His Tyr Val His Phe Ser Ser Ala Val Met Gly Leu Leu
142          195                 200                 205
145 Phe Gly Val Pro Cys Leu Val Thr Leu Val Cys Tyr Gly Leu Met Ala
146      210                 215                 220
149 Arg Arg Leu Tyr Gln Pro Leu Pro Gly Ser Ala Gln Ser Ser Ser Arg
150 225              230                 235                 240
153 Leu Arg Ser Leu Arg Thr Ile Ala Val Val Leu Thr Val Phe Ala Val
154              245                 250                 255
157 Cys Phe Val Pro Phe His Ile Thr Arg Thr Ile Tyr Tyr Leu Ala Arg
158          260                 265                 270
161 Leu Leu Glu Ala Asp Cys Arg Val Leu Asn Ile Val Asn Val Val Tyr
162          275                 280                 285
165 Lys Val Thr Arg Pro Leu Ala Ser Ala Asn Ser Cys Leu Asp Pro Val
166      290                 295                 300
169 Leu Tyr Leu Leu Thr Gly Asp Lys Tyr Arg Arg Gln Leu Arg Gln Leu
170 305              310                 315                 320
```

RAW SEQUENCE LISTING   DATE: 11/27/2006
PATENT APPLICATION: US/10/811,192A   TIME: 14:43:12

Input Set : **A:\SEQ LISTING.txt**
Output Set: **N:\CRF4\11272006\J811192A.raw**

```
173 Cys Gly Gly Gly Lys Pro Gln Pro Arg Thr Ala Ala Ser Ser Leu Ala
174                 325                 330                 335
177 Leu Val Ser Leu Pro Glu Asp Ser Ser Cys Arg Trp Ala Ala Thr Pro
178                 340                 345                 350
181 Gln Asp Ser Ser Cys Ser Thr Pro Arg Ala Asp Arg Leu
182         355             360             365
185 <210> SEQ ID NO: 3
186 <211> LENGTH: 35
187 <212> TYPE: DNA
188 <213> ORGANISM: artificial sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Primer for the second transmembrane region of human
pyrimidine re
192       ceptor
194 <400> SEQUENCE: 3
195 cagatctaga tactatgttc tacactctta cgtgc                              35
198 <210> SEQ ID NO: 4
199 <211> LENGTH: 35
200 <212> TYPE: DNA
201 <213> ORGANISM: artificial sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: primer for seventh transmembrane region of human pyrimidine
recep
205       tor
207 <400> SEQUENCE: 4
208 tcttaagctt ggagtcacgt acgagcaagc tagtt                              35
```

VERIFICATION SUMMARY　　　　　　　DATE: 11/27/2006
PATENT APPLICATION: **US/10/811,192A**　　　TIME: 14:43:13

Input Set : **A:\SEQ LISTING.txt**
Output Set: **N:\CRF4\11272006\J811192A.raw**